

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-14 (Canceled).

Claim 15 (New): A method of bending glass panes heated to their softening temperature in a horizontal position, comprising:

heating the panes to their bending temperature in a furnace;

bringing the panes between a concave bending frame, having shaping surfaces that describe a smaller contour than external dimensions of the panes, and a convex upper form with a solid surface;

pressing the panes between the bending frame and the upper form so that the panes assume, at least at certain points, the contour of the upper form, as a first press-bending;

bringing a frame-shaped final-bending frame, having shaping surfaces that correspond to a final shape of the panes, into contact with protruding marginal regions of the panes, and pressing the panes against the upper form, as a second press-bending; and

subjecting the panes on which the bending operation has been completed to a cooling or quenching treatment.

Claim 16 (New): The method as claimed in claim 15, wherein the bending frame remains compressed during the second press-bending.

Claim 17 (New): The method as claimed in claim 15, wherein the bending frame and the upper form are removed from the panes after the second press-bending and the panes are conveyed to the cooling or quenching treatment location with aid of the final-bending frame.

Claim 18 (New): The method as claimed in claim 17, wherein the final-bending frame serves as a quenching frame.

Claim 19 (New): The method as claimed in claim 15, wherein:
the bending frame and the final-bending frame are removed from the panes after the second press-bending;
the panes are held by differential pressure on the upper form;
the panes are deposited from the upper form onto a conveying device; and
the panes are conveyed by the conveying device to a location of the cooling or quenching treatment.

Claim 20 (New): The method as claimed in claim 19, wherein the conveying device is a quenching frame on which the panes are pre-stressed.

Claim 21 (New): The method as claimed in claim 15, wherein at least one of the first or second press-bending is assisted by differential pressure.

Claim 22 (New): The method as claimed in claim 15, wherein the final-bending frame used is a multipart bending frame and final bending is achieved by pivoting one or more parts of the bending frame.

Claim 23 (New): A device for bending panes heated to their softening temperature, comprising:

a furnace for heating the panes;

a concave bending frame for pre-forming the heated panes;
a convex upper form with a solid surface;
a frame-shaped final-bending frame with a concave shaping surface that substantially corresponds to the final shape of the panes;
means for moving the bending frame, the final-bending frame, and the upper form relative to one another; and
means for conveying the panes on which the bending operation has been completed to a cooling or quenching station.

Claim 24 (New): The device as claimed in claim 23, wherein the bending frame has an outer contour that is smaller than the surface circumscribed by the final-bending frame, with a result that the final-bending frame can be guided through the bending frame and at a same time compressed therewith against the panes.

Claim 25 (New): The device as claimed in claim 23, wherein the bending frame is provided with shaping surfaces that touch the panes only at certain points.

Claim 26 (New): The device as claimed in claim 23, wherein the final-bending frame is configured as a quenching frame.

Claim 27 (New): The device as claimed in claim 23, wherein the final-bending frame is configured as a multipart bending frame with pivotable shaping surfaces.

- Claim 28 (New): The device as claimed in claim 23, wherein the upper form
includes means for generating a negative pressure between the shaping surface of the upper
form and the surface of the panes extending above.